

## Historical Floods: South River near Waynesboro, Virginia

Latitude: 38.058

Flood Stage: 9.5 ft

Period of Record: 1942-Present

Last Flood: 4/16/2011

Longitude: -78.908

Number of Floods: 18

| Date of Flood | Crest (ft) | Streamflow (cfs) | Category | Code  |
|---------------|------------|------------------|----------|-------|
| 10/15/1942    | 14.30      | 14,500           | Major    | C1 C8 |
| 8/18/1955     | 13.95      | 13,500           | Major    | none  |
| 8/20/1969     | 15.27      | 17,400           | Major    | none  |
| 5/30/1971     | 9.99       | 5,690            | Minor    | none  |
| 6/21/1972     | 14.25      | 14,400           | Major    | none  |
| 10/5/1972     | 11.41      | 8,040            | Moderate | none  |
| 3/19/1975     | 10.30      | 6,180            | Minor    | none  |
| 9/5/1979      | 11.37      | 7,970            | Moderate | none  |
| 11/4/1985     | 15.30      | 17,500           | Major    | none  |
| 4/17/1987     | 9.58       | 5,110            | Minor    | none  |
| 1/19/1996     | 13.58      | 12,500           | Major    | none  |
| 9/6/1996      | 13.46      | 12,300           | Major    | none  |
| 2/17/1998     | 10.05      | 5,810            | Minor    | none  |
| 9/19/2003     | 13.95      | 13,800           | Major    | none  |
| 9/28/2004     | 10.45      | 6,460            | Minor    | none  |
| 11/29/2005    | 10.54      | 6,610            | Minor    | none  |
| 1/25/2010     | 10.01      | 5,470            | Minor    | none  |
| 4/16/2011     | 11.38      | 8,120            | Moderate | none  |

Drainage Area: 127 sq mi

Gage Datum: 1296.2 ft MSL

Shenandoah Basin

County of Gage: Augusta

County of Forecast Point: Independent City

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-9999 signifies missing data

### MARFC Codes

| Code | Description  |
|------|--|
| C1   | Crest information looks unreliable and incomplete and not used in frequency calculations. Some of the floods are based on current flood stage and nearby gage information.   |
| C2   | Crest information looks reliable despite potential problems. This data was used in frequency calculations.   |
| C3   | Crest height estimated by the USGS.  |
| C4   | Crest height is from the National Weather Service.   |
| C5   | Crest height affected by backwater.  |
| C6   | Crest occurred at a previous flood stage that is lower than the current flood stage. The crests below the new flood stage are not used in flood frequency calculations.  |
| C7   | Crest from USGS yearly peak and/or date is different than the crest we provide. In many cases MARFC uses crest based on backwater or ice effects. Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information. |
| C8   | Crest date (day) in the month is unknown.  |
| C9   | Flow is an estimate.   |
| F1   | Flow affected by regulation or diversion and in some cases to an unknown degree.   |
| F2   | Flow effected by snow-melt, ice jam or debris jam break up.  |
| F3   | Flow affected by dam failure.  |
| F4   | Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.  |
| F5   | Gage height at a different site and/or datum.  |
| G1   | Gage is not an official USGS gage with crests provided by the NWS. Crest information looks unreliable and incomplete and not used in flood frequency calculations.   |
| G2   | Gage datum changed during this year.   |

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